CLAIMS:

- 1. A granule comprising pyrogenically prepared silicon dioxide as a carrier and at least one substance selected from the group consisting of a foodstuff additive, a chemical intermediate and a plant protection agent.
- 2. The granule according to Claim 1, wherein the foodstuff additive is a member selected from the group consisting of dyestuffs, antioxidants, preservatives, emulsifiers, gelling agents, thickeners, binders, stabilizers, alkalis, acids, salts, antilumping agents, flavour intensifiers, sweeteners and aromas.
- 3. The granule according to Claim 1, wherein the plant protective agent is an herbicide, insecticide or fungicide.
- 4. The granule according to Claim 2, characterized in that the silicon dioxide granule is silanized.
- 5. The granule according to Claim 1, wherein the silicon dioxide has the following characteristic data:

Pore volume:

0.5 to 2.5 ml/g

Pore size distribution:

less than 5% of the total pore volume

has a pore diameter of less than 5 nm,

remainder meso- and macropores

pH:

3.6 to 8.5

Tamped density:

220 to 700 g/l.

- 6. The granule according to Claim 5 wherein the granule has meso- and macropores, the volume of mesopores making up 10 to 80% of the total volume.
- 7. The granule according to Claim 1 having a particle size distribution of 80 volume % larger than 8 μm and 80 volume % smaller than 96 μm .

8. The granule according to Claim 4 which is silanized with a member selected from the group consisting of:

-Sx-(CH2)3Si(OR)3

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X = Cl, Br
      R = alkyl
      m = 0.1 - 20
      R' = alkyl, aryl (e.g. -C6H5)
      -C4F9, -OCF2-CHF-CF3, -C6F13, -O-CF2-CHF2
      -NH2, -N3, -SCN, -CH=CH2,
      -OOC(CH3)C = CH2
      -OCH2-CH(O)CH2
       -NH-CO-N-CO-(CH_2)_5
      -NH-COO-CH3, -NH-COO-CH2-CH3, -NH-(CH2)3Si(OR)3
      -Sx-(CH2)3Si(OR)3
Organosilanes of the type (RO)3Si(CnH2n+1)
      R = alkyl
      n = 1 - 20
Organosilanes of the type R'x(RO)ySi(CnH2n+1)
      R = alkyl
      R' = alkyl
      n = 1 - 20
      x+y = 3
      x = 1,2
      y = 1.2
Organosilanes of the type (RO)3Si(CH2)m-R'
      R = alkyl
      m = 0.1 - 20
      R' = alkyl, aryl (e.g. -C6H5)
      -C4F9, OCF2-CHF-CF3, -C6F13, -O-CF2-CHF2
      -NH2, -N3, -SCN, -CH=CH2,
      -OOC(CH3)C = CH2
      -OCH2-CH(O)CH2
       -NH-CO-N-CO-(CH<sub>2</sub>)<sub>5</sub>-
      -NH-COO-CH3, -NH-COO-CH2-CH3, -NH-(CH2)3Si(OR)3
      -Sx-(CH2)3Si(OR)3
Organosilanes of the type (R")x(RO)ySi(CH2)m-R'
      R'' = alkyl
      x+y=2
      x = 1,2
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Halogeno-organosilanes of the type (R)2X Si(CH2)m-R'

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y = 1,2

R' = alkyl, aryl (e.g. -C6H5)

-C4F9, -OCF2-CHF-CF3, -C6F13, -O-CF2-CHF2

-NH2, -N3, -SCN, -CH=CH2,

-OOC(CH3)C = CH2

-OCH2-CH(O)CH2

—NH—C0—N—C0—(CH<sub>2</sub>)<sub>5</sub>—

-NH-COO-CH3, -NH-COO-CH2-CH3, -NH-(CH2)3Si(OR)3

-Sx-(CH2)3Si(OR)3.
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- 9. The granule according to Claim 1 which is an adsorbate.
- 10. The granule according to Claim 9, characterized in that the silicon dioxide granules are silanized.
- 11. The granule according to Claim 1 in which a dyestuff is adsorbed on the surface thereof, or enveloped therein.
- 12. The granule according to Claim 1 in which an antioxidant is adsorbed on the surface thereof, or enveloped therein.
- 13. The granule according to Claim 1 in which a preservative is adsorbed on the surface thereof, or enveloped therein.
- 14. The granule according to Claim 1 in which an emulsifier is adsorbed on the surface thereof, or enveloped therein.
- 15. The granule according to Claim 1 in which a gelling agent is adsorbed on the surface thereof, or enveloped therein.
- 16. The granule according to Claim 1 in which a thickener is adsorbed on the surface thereof, or enveloped therein.

- 17. The granule according to Claim 1 in which a binder is adsorbed on the surface thereof, or enveloped therein.
- 18. The granule according to Claim 1 in which a stabilizer is adsorbed on the surface thereof, or enveloped therein.
- 19. The granule according to Claim 1 in which an alkali is adsorbed on the surface thereof, or enveloped therein.
- 20. The granule according to Claim 1 in which an acid is adsorbed on the surface thereof, or enveloped therein.
- 21. The granule according to Claim 1 in which a salt is adsorbed on the surface thereof, or enveloped therein.
- 22. The granule according to Claim 1 in which an antilumping agent is adsorbed on the surface thereof, or enveloped therein.
- 23. The granule according to Claim 1 in which a flavour intensifier is adsorbed on the surface thereof, or enveloped therein.
- 24. The granule according to Claim 1 in which a sweetener is adsorbed on the surface thereof, or enveloped therein.
- 25. The granule according to Claim 1 in which an aroma agent is adsorbed on the surface thereof, or enveloped therein.
- 26. A composition comprising a feedstuff additive and a granule formed of pyrogenically prepared silicon dioxide.
- 27. A composition comprising a chemical intermediate and a granule formed of pyrogenically prepared silicon dioxide.

- 28. A composition comprising a plant protection agent and a granule formed of pyrogenically prepared silicon dioxide.
- 29. A composition comprising an herbicide and a granule formed of pyrogenically prepared silicon dioxide.
- 30. A composition comprising an insecticide and a granule formed of pyrogenically prepared silicon dioxide.
- 31. A composition comprising a fungicide and a granule formed of pyrogenically prepared silicon dioxide.
- 32. A composition comprising a foodstuff, feedstuff, chemical intermediate or plant protection agent, and

a pyrogenically prepared silicon dioxide granule.

- 33. The granule according to Claim 1 which is spherical.
- 34. The granule according to Claim 1 which further contains a natural or synthetic resin.
- 35. The granule according to Claim 1 which further contains at least one of an antifoam agent, a peroxide, a stabilizer, a plasticizer, a free radical interceptor and a wetting agent.
- 36. The granule according to Claim 9 wherein the silicon dioxide envelops solid particles or liquid droplets of said substance.
- 37. The granule according to Claim 9 wherein 0.001 to 200 g of substance is present per 100 g of silicon dioxide granule.

38. The granule according to Claim 1 which has an average particle diameter of 10 to $120\;\mu m$ and a BET surface area of 40 to 400 $m^2/g.$